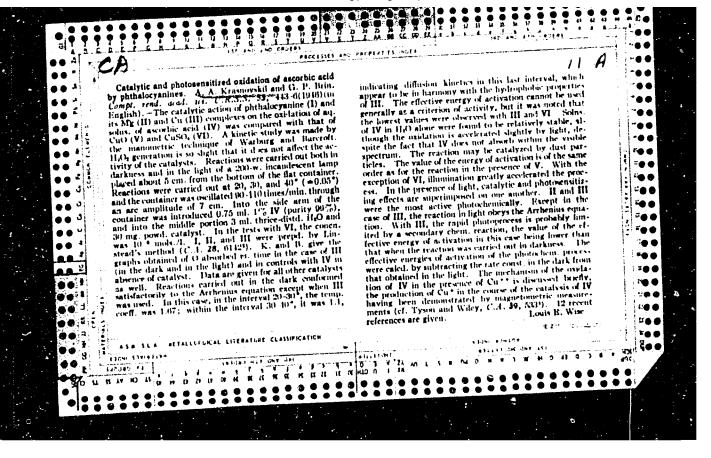
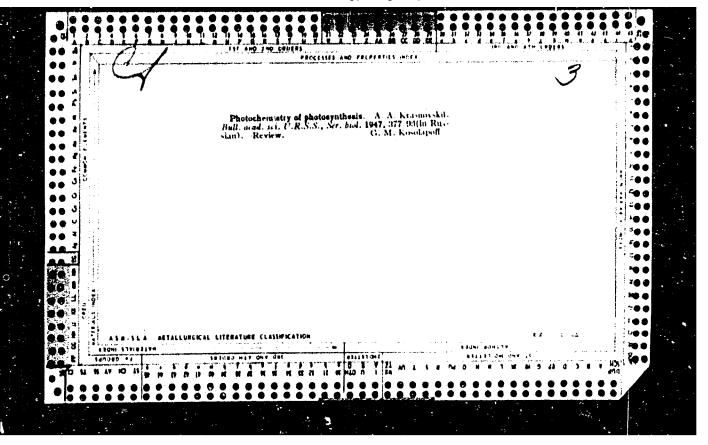
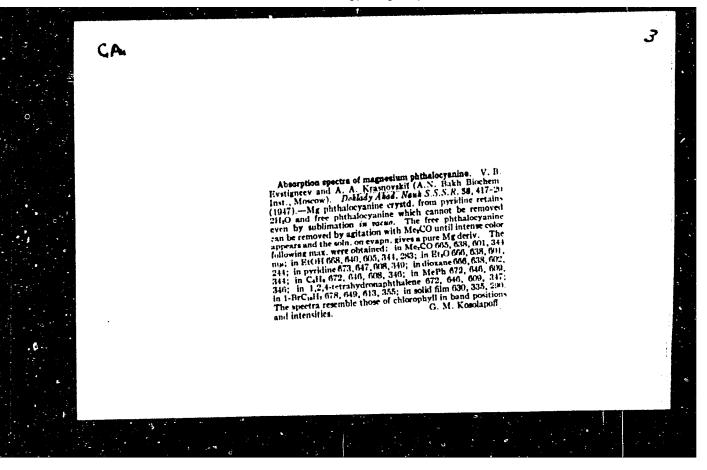


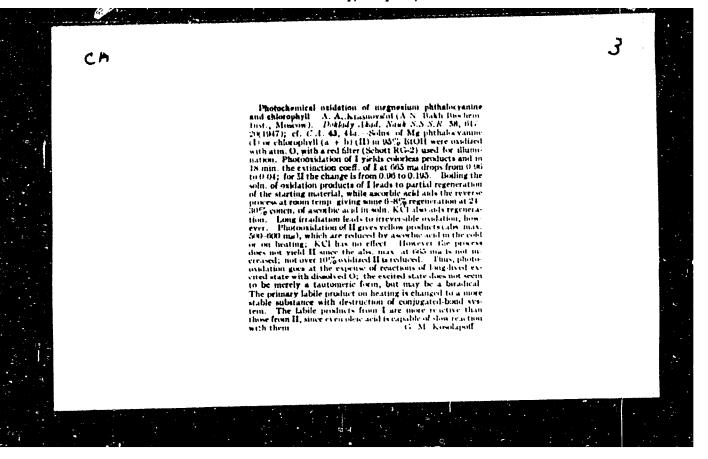
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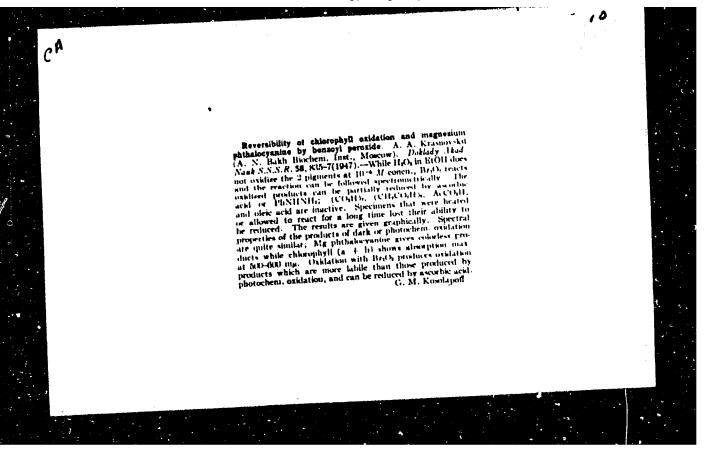
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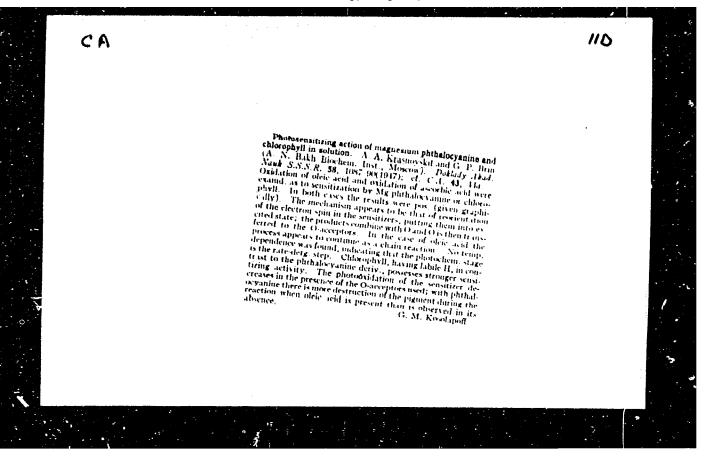


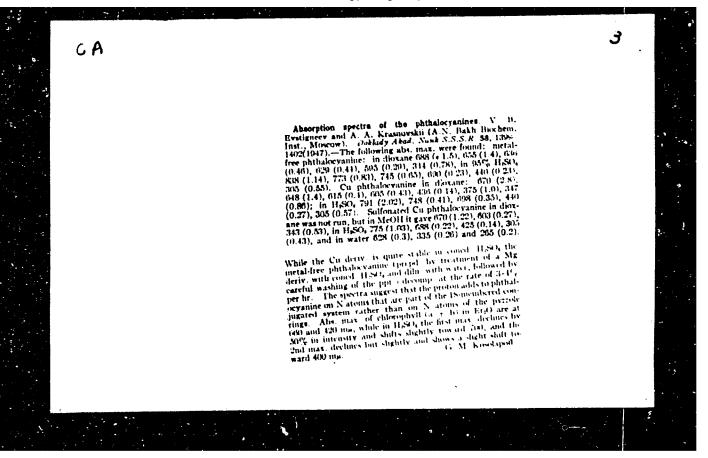




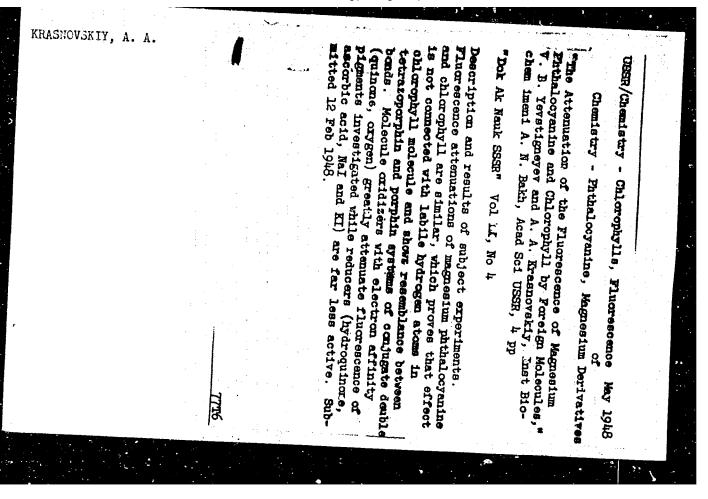


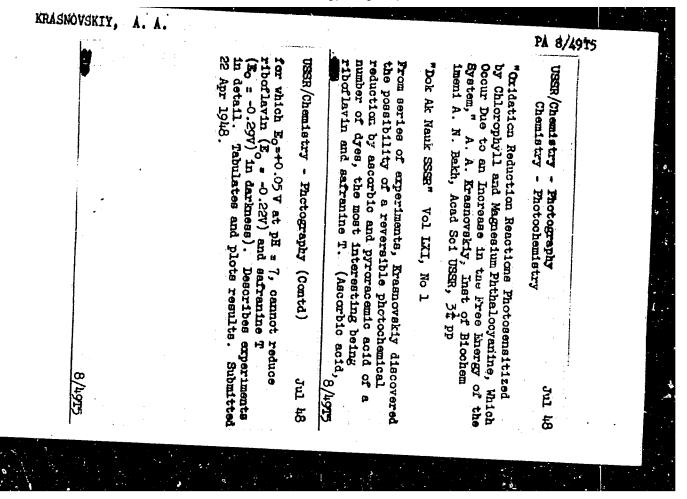


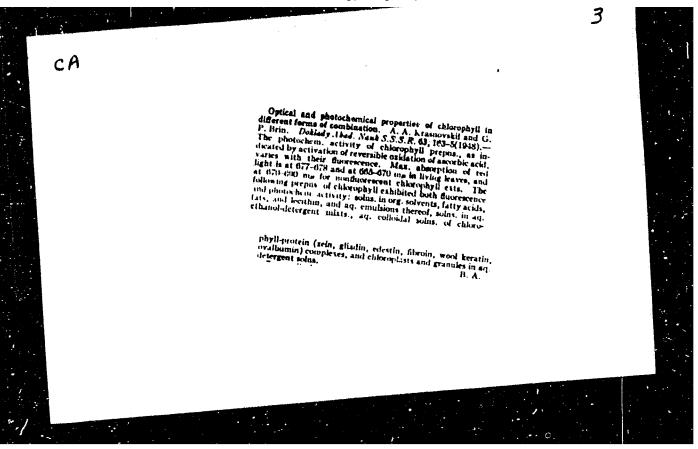


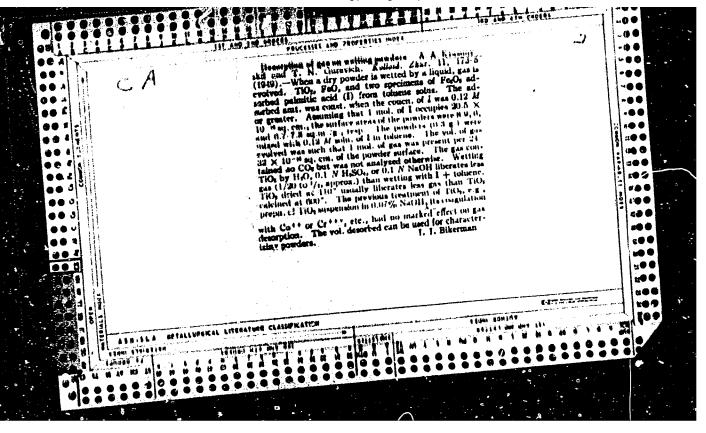


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	USER/Chemistry - Chlorophyll, Restoration Apr 1948 Chemistry - Ascorbio Acid		
	"Reversible Photochemical Restoration of Chlorophyll by Ascorbic Acid," A. A. Krasnovskiy, Inst Biochem imeni A. N. Bakh, Acad Sci USSR, 4 pp		
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	Studies possibility of photochemical restoration of chlorophyll and magnesium dicyanide found in green cells in compounds with ascorbic acid, citric, racemic and ethyl esters, phenylhydrase, and hydroquinine. Submitted by Acad A. N. Terenin 19 Feb 1948.		
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"The Problem of Migration of Energy in Biological Processes" appeared in the Soviet journal "The Results of the Physical Sciences," 1949, volume No. 27, No. 1.

Full translation available.

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USSR/Chemistry - Chlorophyll

Jun 49

Chemistry - Photochemistry

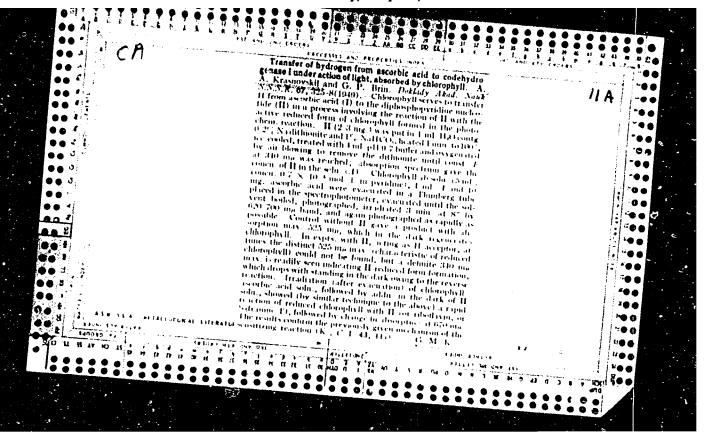
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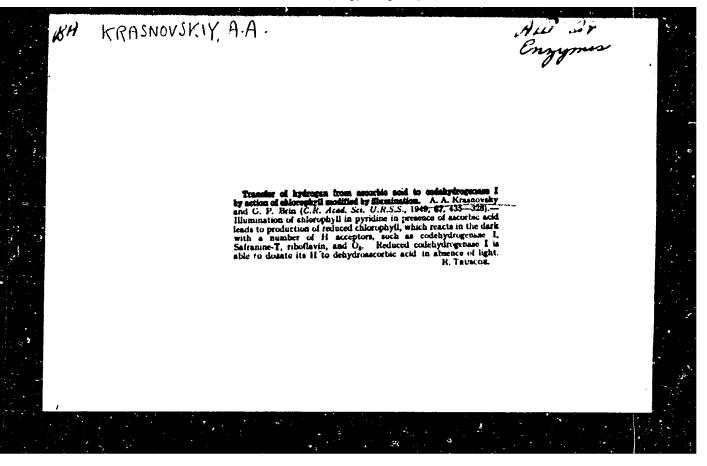
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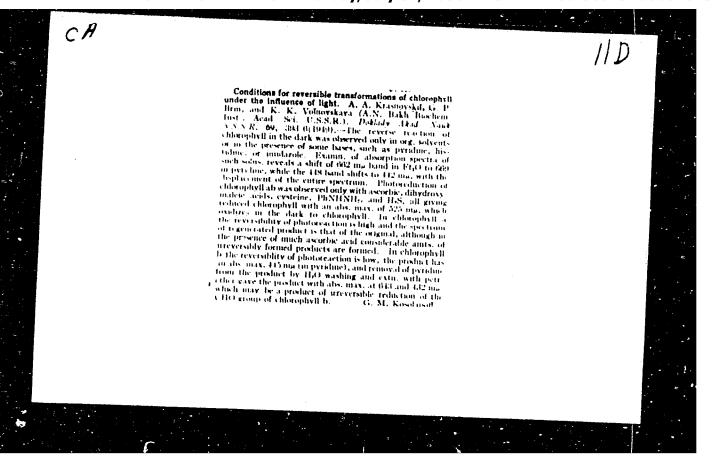
Studied characteristics of protochlorophyll separated from cells to obtain data on its possible transformations under action of light. Characteristics studied: absorption spectrum of protochlorophyll, in solution, photochemical reduction of protochlorophyll, and I hydrogen transfer sensitized by protochlorophyll. Submitted by Acad A. N. Terenin, 5 Apr 49.

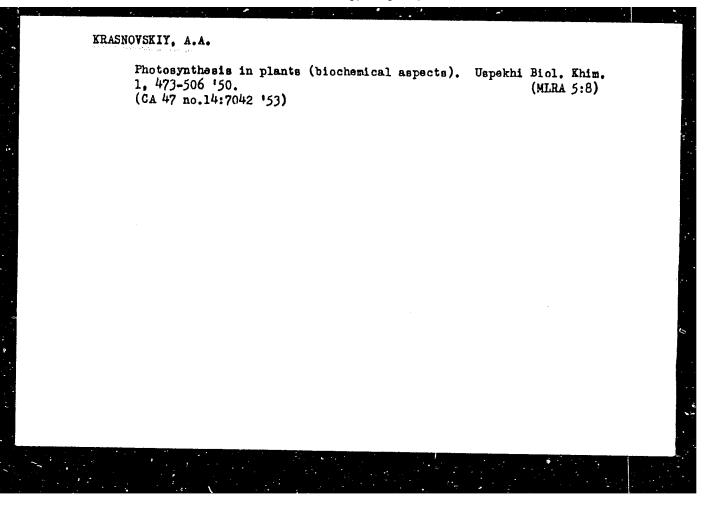
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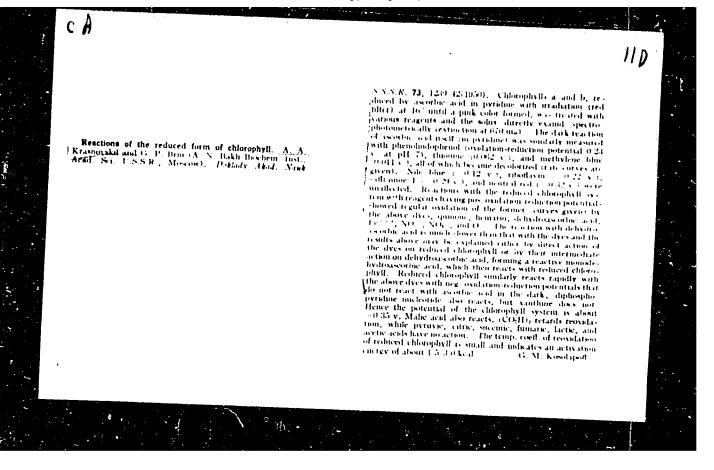


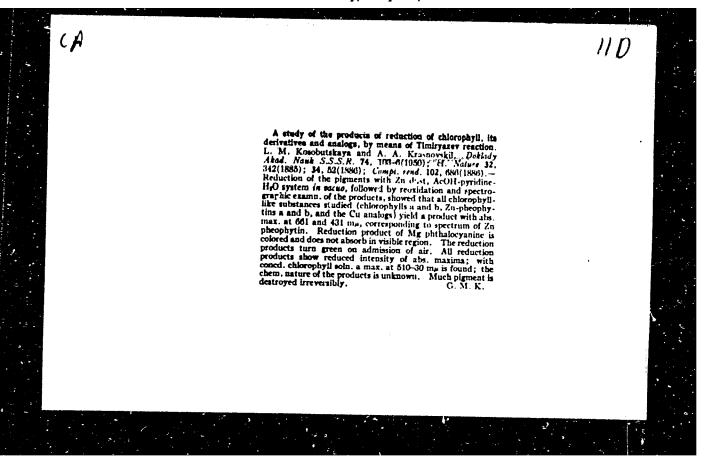


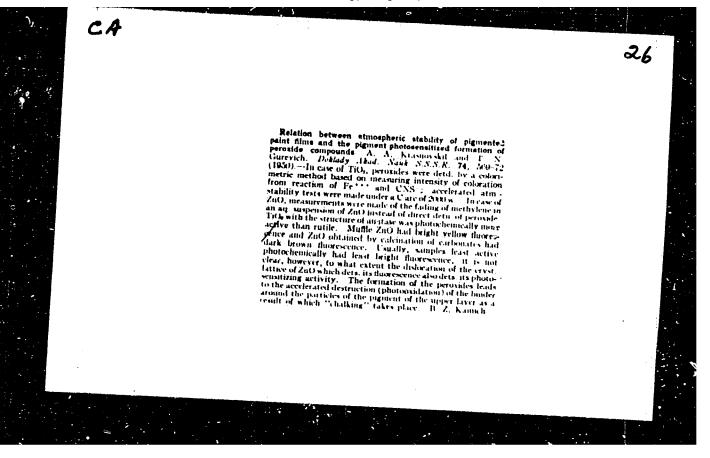


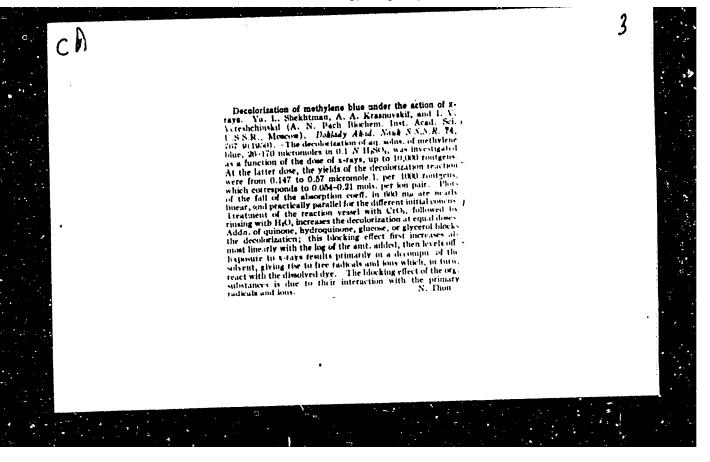
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Photocatalytic action of some metal oxides. A. A. Krasnovskil and T. N. Gurevich. Doklady Abad. Nauk S.5.5.R. 7, 716-18(1951).—(1) The rate of oxidation by sum. O. of histored and and of incoler acid in tolkiens or RtOil oxid. The recommendation of the doubt bond) is accelerated by metal oxides, i.e. the rate of absorption of O₁ (formation of periodices by addin. Object of the doubt bond) is accelerated by simultaneous illumination with long-wave ultraviolet (403-410 mg or shorter) absorbed by the solid oxide but not by the reactant and solvent. The promoting effect of the light is expressed by which is expressed by the catalyted reaction, k₁ = of the photochem, reaction without catalyte, k₂ = of the catalyte decarding on illumination; tratalyst, k₃ = of the catalyte acceptance of the dark reaction of illumination. Fig Rookek scid in toluene (1 ml. of 10% soln.), at 40°, with 0.2 g. oxide, 3 ml. solvent, on TiO₂ (89%, analase structure) k₃, k₄, k₄, k₄, and 40°, on ZnO, 1.77, and 30°, oxide, 3 ml. solvent, on TiO₃ (89%, analase structure) k₄, k₅, k₆, tin cu. mm. O₃/min.), and Φ, are = structure k₆, k₆, k₇, k₈, k₈, tin and 40°, on ZnO, 0.0 9.67, 0.0, -10.00, 1.00, 1.00, 0.00,

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